CLAIMS

What is claimed is:

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A method for treating a functional bowel disorder, which comprises
 administering to an individual in need thereof a therapeutically effective amount of a first component that is an α2δ subunit calcium channel modulator, in combination with a second component that is a smooth muscle modulator.

- 2. The method of claim 1, wherein said first component and said second component are contained within a single pharmaceutical formulation.
 - 3. The method of claim 1, wherein said first component and said second component are contained within separate pharmaceutical formulations.
- 15 4. The method of claim 3, wherein said first component and said second component are administered concurrently.
 - 5. The method of claim 3, wherein said first component and said second component are administered sequentially.
 - 6. The method of claim 1, wherein the $\alpha_2 \delta$ subunit calcium channel modulator is a GABA analog.
- 7. The method of claim 6, wherein the GABA analog is Gabapentin or an acid, salt, enantiomer, analog, ester, amide, prodrug, active metabolite, or derivative thereof.
- 8. The method of claim 6, wherein the GABA analog is Pregabalin or an acid, salt, enantiomer, analog, ester, amide, prodrug, active metabolite, or derivative thereof.
 - 9. The method of claim 1, wherein said smooth muscle modulator is selected from the group consisting of: antimuscarinics, β3 adrenergic agonists,

spasmolytics, neurokinin receptor antagonists, bradykinin receptor antagonists, and nitric oxide donors.

- 10. The method of claim 9, wherein said smooth muscle modulator is anantimuscarinic.
 - 11. The method of claim 10, wherein the antimuscarinic is Oxybutynin or an acid, salt, enantiomer, analog, ester, amide, prodrug, active metabolite, or derivative thereof.

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- 12. The method of claim 1, wherein said $\alpha_2\delta$ subunit calcium channel modulator is Gabapentin or acids, salts, enantiomers, analogs, esters, amides, prodrugs, active metabolites, and derivatives thereof, and wherein said smooth muscle modulator is Oxybutynin or acids, salts, enantiomers, analogs, esters, amides, prodrugs, active metabolites, and derivatives thereof.
- 13. The method of claim 1, wherein said first component and said second component are administered on an as-needed basis.
- 20 14. The method of claim 1, wherein said first component and said second component are administered prior to commencement of an activity wherein suppression of pain would be desirable.
- The method of claim 14, wherein said first component and said second
 component are administered from about 0 to about 3 hours prior to commencement of an activity wherein suppression of pain would be desirable.
- The method of claim 1, wherein said first component and said second component are administered orally, transmucosally, sublingually, buccally, intranasally, transurethrally, rectally, by inhalation, topically, transdermally, parenterally, intrathecally, vaginally, or perivaginally.

17. The method of claim 1, wherein said first component and said second component are administered to treat irritable bowel syndrome.

- 18. The method of claim 1, wherein at least one detrimental side effect

 associated with single administration of said first component or single administration of said second component is lessened by concurrent administration of said first component and said second component.
- 19. The method of claim 18, wherein said first component and said second component are administered to treat irritable bowel syndrome.
 - 20. A method for treating a functional bowel disorder comprising administering to an individual in need thereof a therapeutically effective amount of at least one component selected from an $\alpha_2\delta$ subunit calcium channel modulator and a smooth muscle modulator.

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- 21. A pharmaceutical composition comprising a first component that is an $o_2\delta$ subunit calcium channel modulator, in combination with a second component that is a smooth muscle modulator, wherein said first component and said second component are in amounts sufficient to treat a functional bowel disorder.
- 22. A pharmaceutical composition comprising a first component that is Gabapentin or pharmaceutically acceptable acids, salts, esters, amides, prodrugs, or active metabolites thereof, in combination with a second component that is Oxybutynin or pharmaceutically acceptable acids, salts, esters, amides, prodrugs, or active metabolites thereof, wherein said first component and said second component are in amounts sufficient to treat a functional bowel disorder.
- 23. The pharmaceutical composition of claim 22 wherein said first

 component is present in an amount from about 50 mg to about 2400 mg, and wherein said second component is present in an amount equal to or less than about 5 mg.

24. The pharmaceutical composition of claim 23 wherein said first component is in an amount of about 200 mg.

- 25. The pharmaceutical composition of claim 23 wherein said second component is in an amount of about 2.5 mg.
 - 26. The pharmaceutical composition of claim 23 wherein said second component is in an amount of about 1.25 mg.
- 27. A pharmaceutical composition comprising a first component that is Pregabalin or pharmaceutically acceptable acids, salts, esters, amides, prodrugs, or active metabolites thereof, in combination with a second component that is Oxybutynin or pharmaceutically acceptable acids, salts, esters, amides, prodrugs, or active metabolites thereof, wherein said first component and said second component are in amounts sufficient to treat a functional bowel disorder.
 - 28. A pharmaceutical composition for the treatment of a functional bowel disorder, comprising a first component that is Gabapentin or pharmaceutically acceptable acids, salts, esters, amides, prodrugs, or active metabolites thereof, in combination with a second component that is Oxybutynin or pharmaceutically acceptable acids, salts, esters, amides, prodrugs, or active metabolites thereof, wherein said first component and said second component are present in a ratio from about 1:1 to about 800:1 or from about 1:1 to about 1:800, respectively, based on a fraction of their respective ED₅₀ values.

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29. A combination for the treatment of a functional bowel disorder, comprising a first component that is Gabapentin or pharmaceutically acceptable acids, salts, esters, amides, prodrugs, or active metabolites thereof, in combination with a second component that is Oxybutynin or pharmaceutically acceptable acids, salts, esters, amides, prodrugs, or active metabolites thereof, wherein said first component and said second component are in a weight/weight ratio of from 1:1 to about 800:1 or from about 1:1 to about 1:800, respectively.

30. A pharmaceutical composition for the treatment of a functional bowel disorder comprising Oxybutynin, wherein said Oxybutynin is in an amount less than about 5.0 mg.

- 5 31. A packaged kit for a patient to use in the treatment of a functional bowel disorder, comprising: at least one component selected from an α₂δ subunit calcium channel modulator and a smooth muscle modulator; a container housing said component or components during storage and prior to administration; and instructions for carrying out drug administration of an α₂δ subunit calcium channel modulator with a smooth muscle modulator in a manner effective to treat a functional bowel disorder.
 - 32. The packaged kit of claim 31 wherein said first component and said second component are contained in the same pharmaceutical formulation.
- 15 33. The packaged kit of claim 32 wherein said first component is Gabapentin or pharmaceutically acceptable acids, salts, esters, amides, prodrugs, or active metabolites thereof, and wherein said second component is Oxybutynin or pharmaceutically acceptable acids, salts, esters, amides, prodrugs, or active metabolites thereof.

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- 34. The packaged kit of claim 31 wherein said first component and said second component are contained in separate pharmaceutical formulations.
- 35. The packaged kit of claim 34 wherein said instructions include
 25 directions for carrying out drug administration of said first component and said second component sequentially or concurrently.
 - 36. The packaged kit of claim 35 wherein said first component is Gabapentin or pharmaceutically acceptable acids, salts, esters, amides, prodrugs, or active metabolites thereof, and wherein said second component is Oxybutynin or pharmaceutically acceptable acids, salts, esters, amides, prodrugs, or active metabolites thereof.